

# Part 573 Safety Recall Report

# 17V-560

**Manufacturer Name :** Altec Industries Inc.

**Submission Date :** MAY 03, 2018

**NHTSA Recall No. :** 17V-560

**Manufacturer Recall No. :** CSN 664



## Manufacturer Information :

Manufacturer Name : Altec Industries Inc.

Address : 210 Inverness Center Drive  
Birmingham AL 35242

Company phone : 205-991-7733

## Population :

Number of potentially involved : 143

Estimated percentage with defect : 10 %

## Vehicle Information :

Vehicle 1 : 2011-2017 Altec LS63 Aerial Device

Vehicle Type :

Body Style :

Power Train : NR

Descriptive Information : This affects all LS63 units manufactured between the affected dates.

Production Dates : JUL 01, 2011 - FEB 28, 2017

VIN Range 1 : Begin : NR End : NR

Not sequential

## Description of Defect :

Description of the Defect : Potential failure of jib mast under load

FMVSS 1 : NR

FMVSS 2 : NR

Description of the Safety Risk : Failure of the jib mast can increase the risk of death or serious injury.

Description of the Cause : NR

Identification of Any Warning that can Occur : Partial bending of jib mast under load

## Supplier Identification :

### Component Manufacturer

Name : I&M Machine & Fabrication Corp

Address : 401 S.Third Street  
St. Joseph MISSOURI 64501

Country : United States

## Chronology :

In March 2017 a jib mast on an LS87 failed during end-of-line testing at the factory when exposed to the test load of 750 lb (1.5x rated capacity). After extensive review with the component supplier, in September a root cause of the failure was determined to be a supplier manufacturing process error in which the aluminum jib masts mistakenly ran through a bake-off furnace intended for steel parts. The exposure to excessive heat for an extended period of time results in accelerated aging of the material and a significant reduction in material strength.

Upon testing all other jib masts in inventory two additional failures occurred. While there are no LS87 units in the field with this issue, in September 2017 it was determined the potential for this defect exists on LS63 units. There have been no reports of failed jib masts in the field.

## Description of Remedy :

Description of Remedy Program : Altec will issue CSN 664 to all registered owners requiring a 1 ½ times rated load jib test. A jib mast that passes this test will confirm it was not subjected to the supplier's processing defect and will be deemed structurally sound. Any jib masts exhibiting a failure during the test, as indicated by visible bending, will be replaced by Altec under warranty.

How Remedy Component Differs from Recalled Component : Supplier has implemented additional process controls to prevent defect on replacement jib masts, and all replacement jib masts have been tested to 1.5x rated capacity prior to leaving the Altec factory.

Identify How/When Recall Condition was Corrected in Production : In July 2017, the supplier implemented additional process controls and associate training to eliminate the possibility of the defect.

## Recall Schedule :

Description of Recall Schedule : NR

Planned Dealer Notification Date : NR - NR

Planned Owner Notification Date : OCT 25, 2017 - OCT 26, 2017

\* NR - Not Reported